

FIG. 1

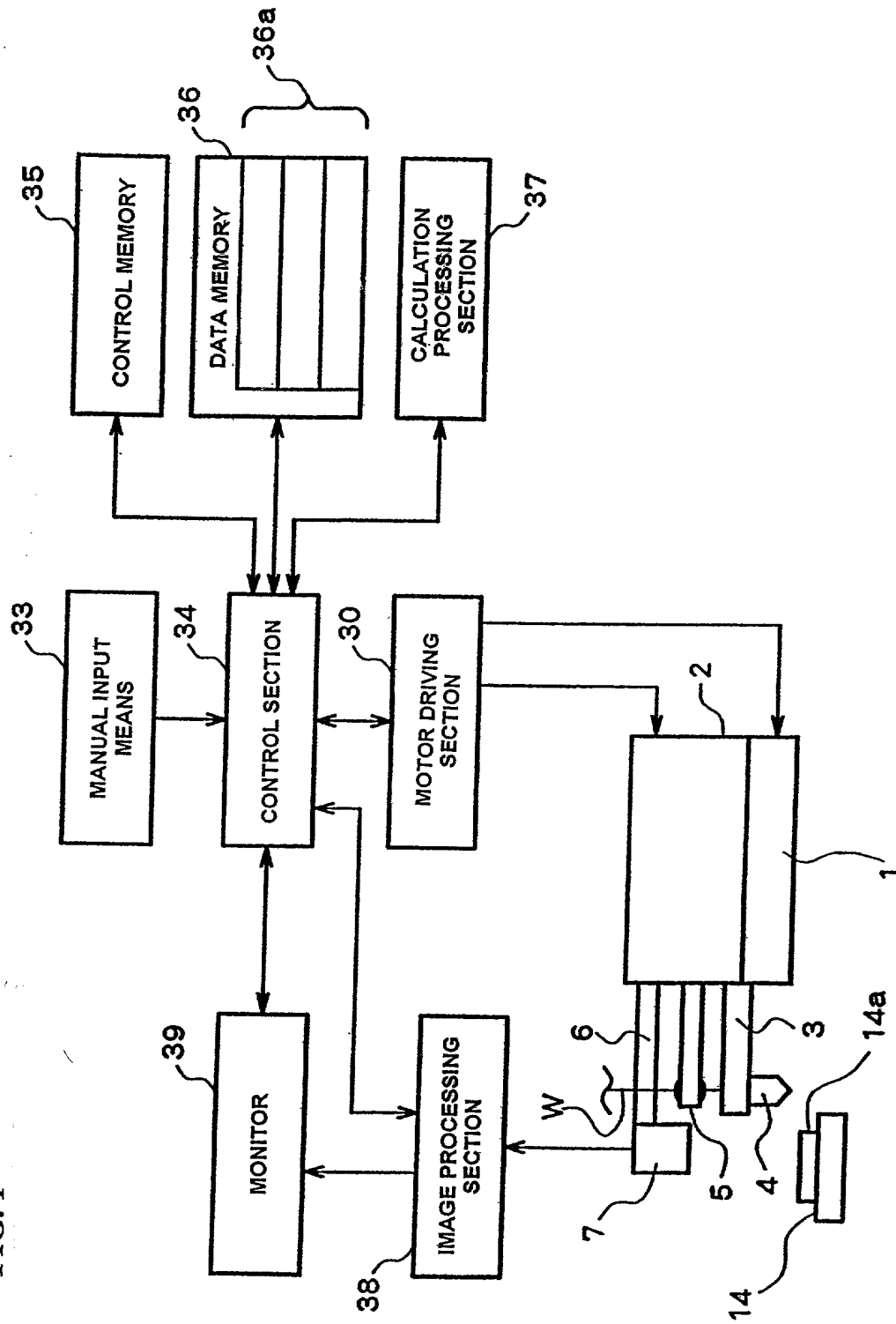


FIG. 2

AUTO-CORRELATION CURVE

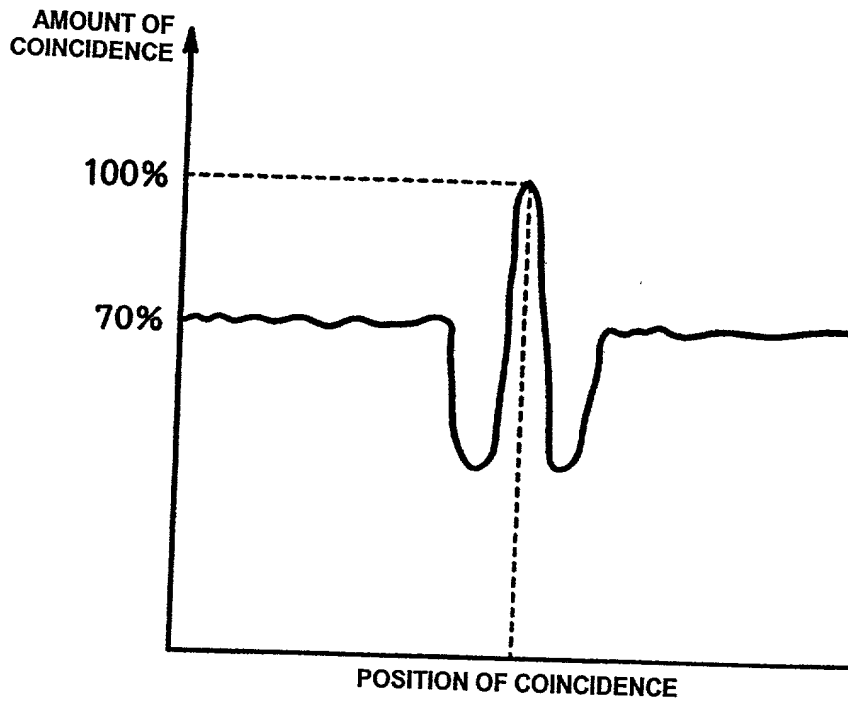


FIG. 3

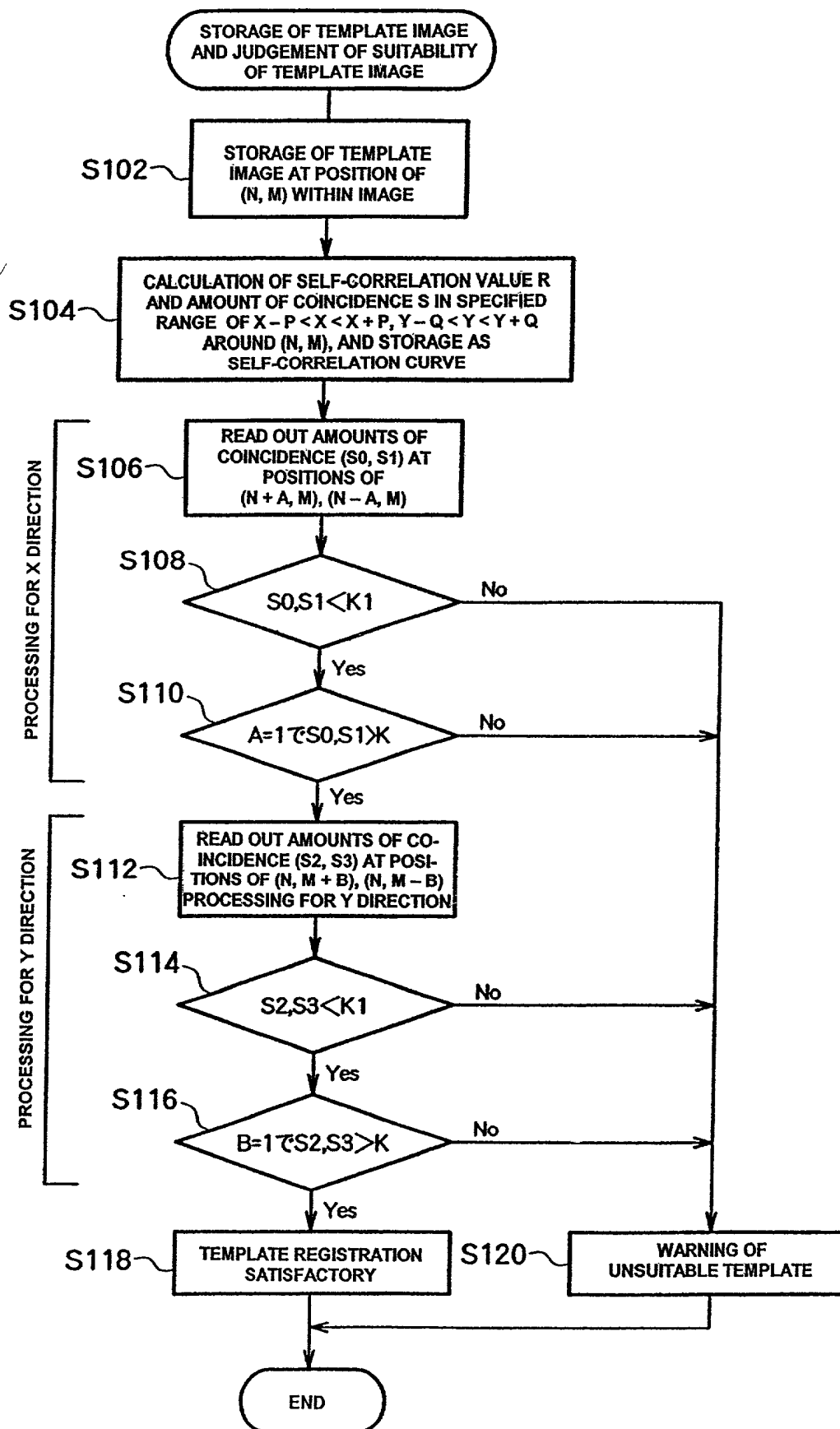
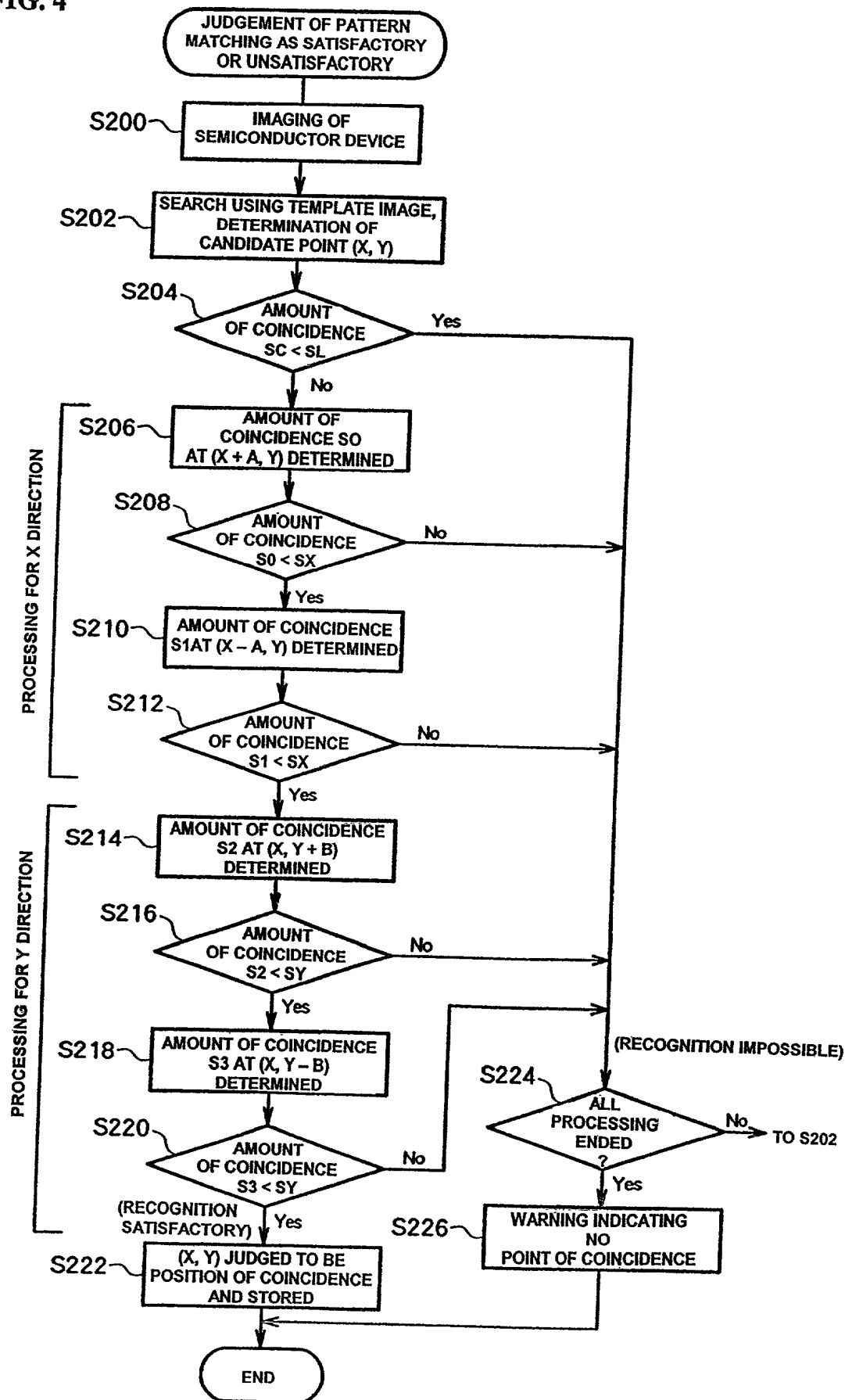


FIG. 4



**FIG. 5**

$$\text{Min}(\text{Min}((\text{SC0}-\text{Max}(\text{SCm}, \text{SCp})+K), K2)*(\text{Sc0}/\text{SC0}), K1) \leq \text{Sc0}-\text{Min}(\text{Scm}, \text{Scp})$$

**SC0:** MAXIMUM VALUE OF SELF-CORRELATION  
**SCM:** CORRELATION VALUE FROM MAXIMUM POSITION  
TO - POSITION WITHIN SELF-CORRELATION CURVE  
**SCP:** CORRELATION VALUE FROM MAXIMUM POSITION  
TO + POSITION WITHIN SELF-CORRELATION CURVE  
**SC0:** MAXIMUM VALUE AT TIME OF DETECTION  
**SCM:** CORRELATION VALUE FROM MAXIMUM POSITION  
AT TIME OF DETECTION TO - POSITION  
**SCP:** CORRELATION VALUE FROM MAXIMUM POSITION  
AT TIME OF DETECTION TO + POSITION  
**K, K1, K2:** TOLERANCE VALUES (CONSTANTS)

FIG. 6

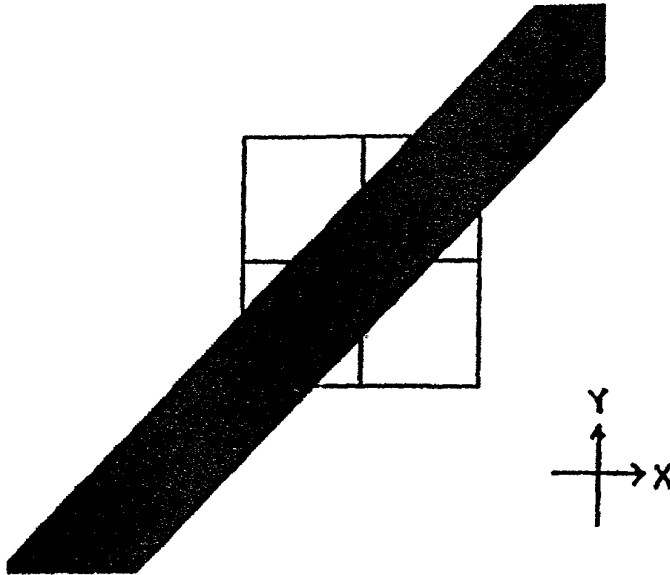


FIG. 7

Max (S49, S50, S51, ....., S76) < K1 (IN CASE OF A PAD)  
 Min (S1, S2, S3, ....., S8) > K

